



Monday Morning, September 21

7:30 am	User Meeting Registration Desk opens Continental Breakfast Available	Mezzanine Ballroom North
9:00 am	Plenary Session <i>Moderator: Quanxi Jia</i> Welcome, Introductions and CINT Update Neal Shinn, CINT Director	Ballroom South
9:20 am	Ian Robertson , University of Wisconsin-Madison <i>Dynamic Studies of Dislocation Behavior in Metal System</i>	
10:00 am	Break	
10:20 am	Carlo Montemagno , Alberta Ingenuity Laboratory <i>Engineering Living Materials Thru the Precision Assembly of Biologically Functional Abiotic/Biotic Materials</i>	
11:00 am	Claus Ropers , University of Göttingen <i>Ultrafast electron microscopy and diffraction using nanoscale photoemitters</i>	
11:40 am	Buffet Lunch Informal poster viewing	Ballroom North Mezzanine

Monday Afternoon, September 21

Symposia	Hybrid Photonic Materials Interactions for Integration and Novel Response	Real-time imaging of controlled nanoscale phenomena using S/TEM	Nanomotors & Molecular Machines: Understanding and Controlling the Catalytic Transport of Matter
	<i>Moderators: Steve Doorn and Han Htoon</i>	<i>Moderators: Katie Jungjohann & Nate Mara</i>	<i>Moderators: George Bachand & Wally Paxton</i>
1:00 pm	Elaine Li , University of Texas <i>Novel Optical Properties of a Few Coupled Nanoparticle</i>	Brad Boyce , Sandia National Laboratories <i>Detecting the Onset of Fatigue Damage in Nanocrystalline Metals</i>	Henry Hess , Columbia University <i>Engineering with Biomolecular Motors</i>
1:30 pm	William Tisdale , MIT <i>TBD</i>	Nan Li , CINT <i>TBD</i>	Alex Levine , University of California, Los Angeles <i>TBD</i>
2:00 pm	Mathew Maye , Syracuse University <i>Using Semiconductive Quantum Rods as Energy Acceptors in Bioluminescence Resonance Energy Transfer</i>	Juri Wehrs , EMPA – The Swiss Federal Laboratories for Materials Science and Technology <i>TBD</i>	Wei Gao , University of California, Berkeley <i>Artificial Nanomachines and their Biomedical Applications</i>

2:30 pm	Chris Murray , University of Pennsylvania <i>TBD</i>	Eray Aydil , University of Minnesota <i>Thin film Solar Cells Based on the Earth Abundant Solar Absorber Cu₂ZnSn(SxSe_{1-x})₄ From Colloidal Nanocrystal Dispersions</i>	Adrienne Greene , Sandia National Laboratories <i>Characterization and Functionalization of Microtubules for Use in Materials Applications</i>
3:00 pm	Break	Break	Break
3:30 pm	Nicolas Izard , University of Montpellier <i>s-SWNT Integration into Active Photonic Devices</i>	Kevin Zavadil , Sandia National Laboratories <i>Thin film Solar Cells Based on the Earth Abundant Solar Absorber Cu₂ZnSn(SxSe_{1-x})₄ From Colloidal Nanocrystal Dispersions</i>	Zev Bryant , Stanford University <i>TBD</i>
4:00 pm	Han Htoon , CINT <i>Doped Carbon Nanotubes: New Building Blocks for Quantum Information Technologies</i>	Katerina Aifantis , University of Arizona, Tucson <i>TEM and SEM Examination of Deformation and Fracture in Si and Sn Based Nanostructured Anodes</i>	Arne Gennerich , Albert Einstein College of Medicine <i>Dynein Motion and Force Generation Studied by Optical Trapping Nanometry</i>
4:30 pm	Yuichiro Kato , University of Tokyo <i>Single-Carbon-Nanotube Photonics and Optoelectronics</i>	Jane Chang , University of California, Los Angeles <i>In-situ characterization of ultra-thin solid electrolyte for 3-D microbattery applications</i>	
5:00 pm	Poster Session (Mezzanine)		
7:00 pm	End of session, please enjoy dinner on your own		

Tuesday Morning, September 22

7:30 am	Registration Desk Open Breakfast		Mezzanine Ballroom North
	Panel Discussion (All welcome): CINT Strategic Planning Don Lucca , <i>Chair, Users Executive Committee</i> Neal Shinn , <i>CINT Director</i> Quanxi Jia , <i>CINT Co-Director</i>		Ballroom South
8:30 am	Hybrid Photonic Materials Interactions for Integration and Novel Response	Real-time imaging of controlled nanoscale phenomena using S/TEM	Nanomotors & Molecular Machines: Understanding and Controlling the Catalytic Transport of Matter
	Jean-Sebastian Laurent , ENS de Cachan <i>2D and 1D Excitons in Cavities</i>		
9:00 am	Alexander Hogege , LMU Munich <i>Photophysics of Carbon Nanotubes and Layered Semiconductors</i>	Barry Carter , University of Connecticut <i>Thoughts on Operando TEM</i>	Peter Goodwin , CINT <i>Cellobiohydrolase Binding on Cellulose Observed by Time-Resolved, Super-Resolution Single Molecule Imaging</i>
9:30 am	Tony Heinz , Stanford University <i>TBD</i>	Dave Mitlin , Clarkson University <i>TBD</i>	Virginia Vandelinder , Sandia National Laboratories <i>Understanding initiation mechanisms and controlling properties of microtubule spools</i>
10:00 am	Break	Break	Break

10:30 am	Nick Vamivakas , University of Rochester <i>Nanophotonics with Atomically Thin Semiconductors</i>	Narayanan Ravishankar , Indian Institute of Science, Bangalore, India <i>Insights into Nucleation and Growth of Nanostructures Using In-Situ Electron Microscopy</i>	Igor Aronson , Argonne National Laboratory <i>Individual and Collective Behavior of Microswimmers in Liquid Crystals</i>
11:00 am	Xiaodon Xu , University of Washington <i>Excitons in 2D Semiconductors and Heterostructures</i>	Angela Rudolph , University of Washington <i>Drying Effect Creates False Assemblies in DNA-Coated Gold Nanoparticles as Determined Through In-Situ Liquid Cell STEM</i>	Suzanne Ahmed , Pennsylvania State University <i>Acoustically Propelled Nanomotors</i> ***End of Symposia***
11:30 am	Aditya Mohite , Los Alamos National Laboratory <i>Phase Engineering of Transition Metal Di-Chalcogenides for Optoelectronic Applications</i> ***End of Symposia***	Ilke Arslan , Pacific Northwest National Laboratories <i>TBD</i> ***End of Symposia***	
12:15	Lunch		